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Substitute for form 1449A/PTO  INFORMATION DISCLOSURE STATEMENT BY APPLICANT					Complete if Known				
					Application Number 10/042,735				
					Filing Date		October 25, 2001		
					First Named Inventor	r	TSOREF Liat et al		
	,				Art Unit		3737		
	(1	ise as many sheets as neo	essary)				3131		
					Examiner Name				
Sheet	eet 1 of 4			4	Attorney Docket Nur	nber	36958		
			U.S.	PATENT	DOCUMENTS				
Examiner Initials*	Cite No. 1	Document Number	Publication Date DD-MMM-YYYY		Name of Patentee or Pages, Colum Applicant of Cited Document Relevant Pas		ages, Columns, Lines, Where elevant Passages or Relevant Figures Appear		
		Number-Kind Code <sup>2 (if known)</sup>					_		
	1	2003/0035773	20-Feb-2003		Totterman et al.				
	2	2003/0055502	20-Mar-2003		Lang et al.				
	3	2003/0229299			Shimura et al.				
	4	2004/0193048	30-Sep-2004		Tsoref				
	5	4,490,640			Honda				
	6	4,752,918	21-Jun-1988		Boucher et al.	· · ·			
	7	4,774,959	04-Oct-		Palmer et al.				
	8	4,870,972	03-Oct-	1989	Maerfeld et al.				
	9	4,913,157	03-Apr-	1990	Pratt Jr. et al.				
	10	4,963,782	16-Oct-	1990	Bui et al.				
	11	5,452,722	26-Sep-	1995	Langton				
	12	5,533,519	09-Jul-1	996	Radke et al.				
	13	5,615,681	01-Apr-	1997	Ohtomo				
	14	5,761,156	02-Jun-	1998	Reuter et al.				
	15	5,824,085	20-Oct-	1998	Sahay et al.				
	16	6,086,538	11-Jul-2	000	Jørgensen et al.				
	17	6,095,979	01-Aug-	2000	Ohtomo				
	18	6,244,101	12-Jun-2001		Autrey et al.				
	19	6,344,024	05-Feb-2002		Brucher et al.				
	20	6,413,215	02-Jul-2	002	Wu et al.				
	21	6,463,167	08-Oct-	2002	Feldman et al.				
	22	6,585,666	01-Jul-2		Suh et al.				
	23	6,607,487	19-Aug-		Chang et al.				
	24	6,799,066	28-Sep-		Steines et al.				
	25	6,836,557	28-Dec-		Tamez-Peña et al.				
	26	7,204,807	17-Apr-		Tsoref				
	L.,		<u> </u>			D-4:		1	
Examine Signature						Date Consider	ed		

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Substitute for form 1449A/PTO  INFORMATION DISCLOSURE STATEMENT BY APPLICANT					are required	Complete if Known				
						Application Number Filing Date		10/042		
								25-Oct-2001		
							med Inventor		REF Liat et al	
					Art Unit			3737		
(use as many sheets as necessary)						<u> </u>	er Name			
Sheet					4	Attorney Docket Number		36958		
			FORE	IGN	PATEN	T DOC	UMENTS			_
Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Documents  Country Code <sup>3</sup> Number <sup>4</sup> Kind Code <sup>5</sup> (if known)				ion Date M-YYYY	Name of Patentee Applicant of Cited Doo		Pages, Columns, Lines, Where Relevant Passages	
									or Relevant Figures Appear	⊬
	27	EP 0341969			15-Nov		Rossman et al.	_		╀
	28	JP 07-303643			21-Nov		Shigeyama			╁
	29	JP 10-137239	26-May		Hamatsu et al. Langton			╀		
	30	GB 2257253					06-Jan-			╁
	31	GB 2321704			05-Aug		Bailey			+
	32	DE 3925014				31-Jan-1991 Grifka				+
	33	JP 60-098799					Sakai et al.			╁
	34	WO 00/28361					Bookbinder et al.			╁
	35	WO 00/62676			26-Oct	-2000	Koblanski			╀
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IN	FORM	IATION DISCLOSURE	Filing Date	October 25, 200	01					
		MENT BY APPLICANT	First Named Inventor	TSOREF Liat e	t al					
31	AIL	IEMI DI AITEICAM	Group Art Unit	3737						
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Sheet		3 Of 4	Attorney Docket Number	36958						
	T 6'4	OTHER PRIOR ART – NON PATENT								
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Initials	No.	publisher, city and/or c	country where published.		T <sup>2</sup>					
	36	International Search Report Dated 01 July 2002 From the International Searching								
		Authority Re.: Application No. PCT/IL01/00763.								
	37	International Search Report Dated 01 Ma		ational						
		Searching Authority Re.: Application No. PCT/IL01/00683;								
	38									
		Authority Re.: Application No. PCT/IL02/00612.								
	39	Notice of Allowance Dated 30 June 2006 From the US Patent and Trademark								
	10	Office Re.: Application No. 10/484,403.	die Lig Detect out Too	dd085						
	40	Official Action Dated 03 August 2006 Fr	demark Office							
	41	Re.: Application No. 10/484,399.  Official Action Dated 14 November 2003	Trademark							
	41	Office Re.: Application No. 10/484,403.	5 From the OS Faterit and	i rauciliai k						
	42	ss in								
	42	Adler et al. "Quantitative Assessment of Osteoarthritis Using High Frequency Ultr	dicine and							
		Biology, XP008004715, 18(1): 51-58, 19								
	43	43 Aisen et al. "Sonographic Evaluation of the Cartilage of the Knee", Radiology,								
		153(3): 781-784, December 1983.								
-	44	Gahunia et al. "Osteoarthritis Staging: Co	tic Resonance							
		Imaging, Gross Pathology and Histopatho		ue",						
		Osteoarthritis and Cartilage, 3: 169-180,	1995.							
	45	Gonzalez et al. "Representation and Description", Digital Image Processing,								
		Addison-Wesley Publishing Company, P.506-518, 1992.								
	46	Grassi et al. "Sonographic Imaging of Normal and Osteoarthritis Cartilage",								
	ļ	Seminars in Arthritis and Rheumatism, 28(6): 388-403, June 1999. Abstract.								
	47	Haralick et al. "Textural Features for Image Classification", IEEE Transactions on								
	ļ <u>.</u>	Systems, Man, and Cybernetics, SMC-3(6): 610-621, November 1973.								
	48	Iagnocco et al. "Sonographic Evaluation of Femoral Condylar Cartilage in								
		Osteoarthritis and Rheumatoid Arthritis", Scandinavian Journal of Rheumatology,								
	40	21: 201-203, 1992. Abstract.  49 Jain "Image Filtering and Restoration/ Image Analysis and Computer Vision", Fundamentals of Digital Image Processing, Chap.8/9: 313-331/394-400, 1989.								
	49									
	50	Lefebre et al. "Automatic Three-Dimensional Reconstruction and Characterization								
	30	of Articular Cartilage From High-Resolution Ultrasound Acquisitions", Ultrasound								
		in Medicine and Biology, XP004295291, 24(9): 1369-1381, December 1998.								
Examiner		in medicine and Diviogr, in out about it	Date		-					
Signature			Consid	ered						

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					Art Unit	3737				
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heet		4	Of	4	Attorney Docket Numb	er 36958				
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Examiner Initials*	Cite No. 1	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial symposium, catalog, etc.) date, page(s), volume-issue number(s), publisher, city and/or country where published.								
	51	McCune et al. "Sonographic Evaluation of Osteoarthritic Femoral Condylar Cartilage", Clinical Orthopaedics and Related Research, 254: 230-235, May 1990.  Abstract.								
-	52	Tomlinson et al. "Ultrasonographic Evaluation of Tarsocrural Joint Cartilage in Normal Adult Horses", Veterinary Radiology and Ultrasound, 41(5): 457-460, 2000. Abstract.								
	53	Van den Hoogen et al. "Effect of Exercise on the Proteoglycan Metabolism of Articular Cartilage in Growing Foals", Equine Veterinary Journal Supplement, 31: 62-66, 1999. Abstract.								
	54	Vince et al. "Comparison of Texture Analysis Methods for the Characterization of Coronary Plaques in Intravascular Ultrasound Images", Computerized Medical Imaging and Graphics, 24: 221-229, 2000.								
	55	Wilson et al. "Development of Automated Ultrasonic Measurements of Articular Cartilage Thickness and Surface Morphology", Biomechanics, Rehabilitation, Electrical Phenomena, Biomaterials, Proceedings of the Annual International Conference of the Engineering in Medicine and Biology Society, IEEE, New York, XP000452803, 3(Conf.15): 1122-1123, 28 October 1993.								
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